CLAIMS

1. A delivery valve device for a refrigerant compressor of the type comprising a valve plate (11; 21;21';21") pierced with at least one fluid delivery passage, at least one delivery valve (13;22;22';22.1,22.2) closing said passage on the downstream side in the direction of delivery of the fluid, and secured, at one of its ends, to the valve plate (21;21';21") by first fixing means (26), and at least one delivery valve stop (14;24;24';24"), said device being characterized in that said delivery valve (22;22';22.1,22.2) is held at its other end, in almost permanent sliding contact with the valve plate by a spring (23;23';23") secured to the valve plate by second fixing means (26).

2. The delivery valve device as claimed in claim 1, characterized in that said spring consists of an elastic leaf fixed at one end to the valve plate by said second fixing means and pressing, toward its other end, the valve onto the valve plate.

3. The delivery valve device as claimed in claim 2, characterized in that said first and second fixing means (26) at the same time fix said valve stop (24;24';24") to the valve plate so that the stop clamps the delivery valve and the spring onto the valve plate at these fixing means.

4. The delivery valve device as claimed in any one of the preceding claims, characterized in that said first and second fixing means consist of rivets (26).

5. The delivery valve device as claimed in any one of

the preceding claims, characterized in that it further comprises pegs (25;25';25") fixed into the valve plate (21;21') to prevent the said delivery valve (22;22,22') and said spring (23;23') from rotating.

6. The delivery valve device and as claimed in any one of the preceding claims, characterized in that it comprises two delivery valves (22;22') closing two passages in the valve plate (21'), in that said spring (23') is a single spring for the two valves and in that said stop (24') is a single stop for the two valves.

7. The delivery valve device as claimed in claim 6, characterized in that said spring (23') is in the shape of a U the branches of which respectively press the free ends of the valves against the valve plate and the central part of which is fixed to the valve plate by said second fixing means (26) and in that said valve stops (24') is in the shape of a U the branches of which act as respective stops for the two valves, the ends of which are fixed to the valve plate by said first fixing means (26) and the central part of which is fixed to the valve plate by said second fixing means (26).

8. The delivery valve device as claimed in any one of claims 1 to 4 or 6 or 7, characterized in that said fixing means (26') and said delivery valve or valves (22.1,22.2) and said spring (23") are designed to, at the same time, prevent the valve or valves and the spring from rotating.

9. The delivery valve device as claimed in claim 8, characterized in that the fixing means consist of rivets (26) collaborating with fixing orifices in said delivery valve or valves (22.1,22.2) and the spring (23") which have a cross section of non-circular shapes.

10. The delivery valve device as claimed in claim 9, characterized in that said shape of the cross section of the orifices is star shaped.

11. The delivery valve device as claimed in any one of the preceding claims, characterized in that said delivery valve or valves (22;22';22.1,22.2) have a part (220) of reduced width in a region of lesser stress (223) so as to adapt the stiffness of said valves.